

CLAIMS

1. Dispenser, particularly suitable for a liquid container, comprising:

- 5 - a liquid pump provided with an inlet having an inlet valve and an outlet having an outlet valve,
- an air pump provided with an inlet having an inlet valve and an outlet having an outlet valve,
- a mixing chamber which is in communication with the outlet of each pump, and
- 10 - a dispensing part provided with an outflow channel with an outflow opening, wherein the outflow channel is in communication with the mixing chamber, **characterized in that** the outlet valve of
- 15 the air pump, which is adjacent to the outlet of the liquid pump, is formed by a flexible wall.

2. Dispenser as claimed in claim 1, wherein the outlet valve of the air pump is positioned relative to the outlet of the liquid pump such that when the valve is opened the air is introduced almost transversely of the liquid flow.

3. Dispenser as claimed in claim 1 or 2, wherein the outlet of the liquid pump comprises a liquid chamber which, as seen in flow direction, is situated after the outlet valve of the liquid pump and is provided with a central opening which debouches in the mixing chamber.

30

4. Dispenser as claimed in any of the foregoing claims, wherein the mixing chamber comprises a central outlet opening which debouches in the outflow channel of the dispensing part.

35

5. Dispenser as claimed in any of the foregoing claims, wherein the flexible wall is arranged between the liquid chamber and the mixing chamber.

5 6. Dispenser as claimed in claim 5, wherein in the static situation the flexible wall seals around the central outlet opening of the mixing chamber.

7. Dispenser as claimed in any of the claims
10 3-6, wherein the central opening of the liquid chamber is in open communication with the outflow channel of the dispensing part.

8. Foam dispenser as claimed in any of the
15 foregoing claims, further comprising a foam-forming element arranged in the outflow channel.

9. Foam dispenser as claimed in claim 8,
wherein the foam-forming element is arranged in the
20 outflow channel such that the foam flowing through the outflow channel passes through the foam-forming element at least twice.

10. Foam dispenser as claimed in claim 8 or 9,
25 wherein a further foam-forming element is arranged, as seen in the flow direction, before the foam-forming element in the outflow channel.

11. Foam dispenser as claimed in any of the
30 claims 8-10, wherein a further foam-forming element is arranged, as seen in the flow direction, after the foam-forming element or the foam-forming elements in the outflow channel.

10

12. Foam dispenser as claimed in claim 11,
wherein the final foam-forming element as seen in the
flow direction is arranged in the outflow opening.

5 13. Dispenser assembly consisting of a liquid
container and a dispenser, wherein the dispenser is
formed by a dispenser as claimed in any of the claims 1-
12.

10